



Kuwait Train Up



Iraqi Border



Tallil Airbase



An Nasiriyah



As Samawah



MARNE THUNDER

3ID (M) DIVARTY IN OPERATION IRAQI FREEDOM

2003



SASO



Baghdad



Euphrates



Karbala Gap



An Najaf

Agenda

- Road to war
- Mission
- RSOI and Train-up
- Execution
- Ammunition / BDA Roll-up
- Winners and Losers
- Lessons Learned
- Fallen Heroes
- Overall Observations

Road to War



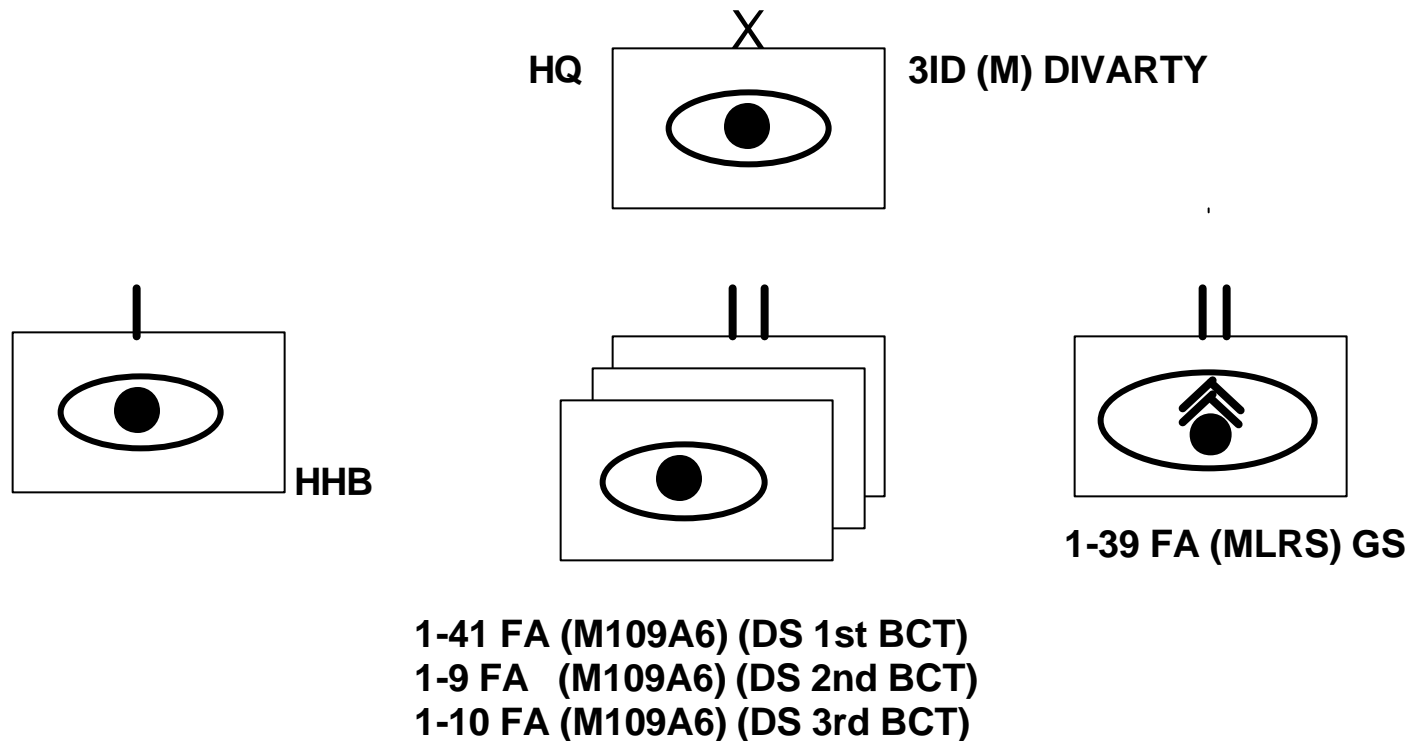
3ID(M) Mission

On order, 3 ID (M) attacks in zone to defeat the 11th Infantry Division and seize crossing sites over the EUPHRATES River vicinity AN NASIRIYAH in order to set the conditions for continued attacks to the north against Republican Guard Forces. On order, 3 ID (M) attacks in zone to destroy the MEDINA Division in order to isolate BAGHDAD from the south and set the conditions for removal of the regime.



DIVARTY

Task Organization



3ID(M) Artillery Mission

3ID(M) Artillery rapidly deploys to KUWAIT, conducts RSOI in order to generate combat power and prepare for future operations. O/O, provides SEAD, counter-battery and ATACMS fires ISO CFACC, CFLCC, V Corps and 3ID(M). O/O provides reinforcing fires in support of brigade close operations. O/O attacks in zone to destroy the 11th ID and seize crossing sites in the EUPHRATES River vicinity AN NASIRIYAH in order to set the conditions for continued attacks to the north against Republican Guard Forces. O/O, provides SEAD, counter-battery and ATACMS fires ISO 3ID(M)'s attack in zone to destroy the MEDINA Division in order to isolate BAGHDAD from the south and set conditions for IRAQI regime change.



RSOI and Train-up





Area of Operations



20 March – ISR/OP Destruction



ISR/OP DESTRUCTION

- DIVARTY, with a TOT of all 54 Paladins spread across a 70 km front, fired the opening volleys of OIF
- Redundant comms via TACSAT, RETRANS
- Coordinated with Apache Longbows for observation along international border
- H+4.5 hrs Fired ATACMS by 1-39 FA ISO Corps Deep Operations

EFST

Task: Destroy ISR/OPs

Purpose: Deny early detection of Division's Maneuver

Method: DIVARTY TOT
9 targets – H-HOUR
2 targets – H+5

Effects: ISR/OPs destroyed

TARGET #	DESCRIPTION	GRID	REMARKS
KN 0001	CP ALPHA	PU0026524654	H-HOUR 1-41FA
KN 0005	OP 12	QU0597821341	H-HOUR 1-41FA
KN 0010	OP 12A	QU0410030800	H-HOUR 1-41FA
KN 0015	OP 13	QU0362617565	H-HOUR 1-41FA
KN 0020	CP BRAVO	PU9400515162	H-HOUR 1-10FA
KN 0025	OP 15	PT9404192761	H-HOUR 1-10FA
KN 0030	OP 3	PT7721486957	H-HOUR 1-10FA
KN 0035	OP 17A	PT8570075200	H-HOUR 1-9FA
KN 0040	OP 17	PT8634275099	H-HOUR 1-9FA
KN 0045	OP 18	PT8108670066	H-HOUR 1-9FA
KN 0050	OP 19	PT7325057692	H-HOUR 1-9FA

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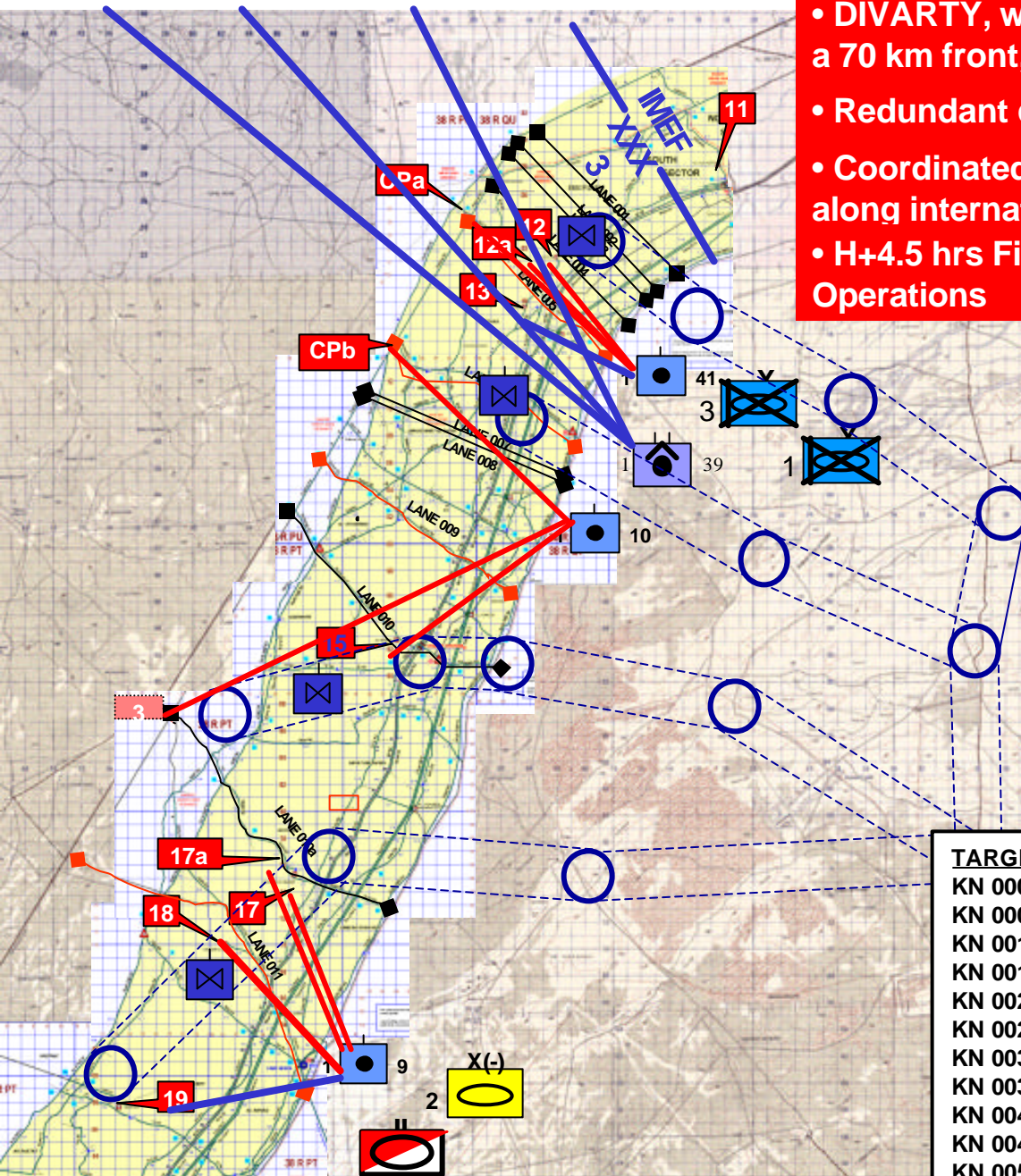
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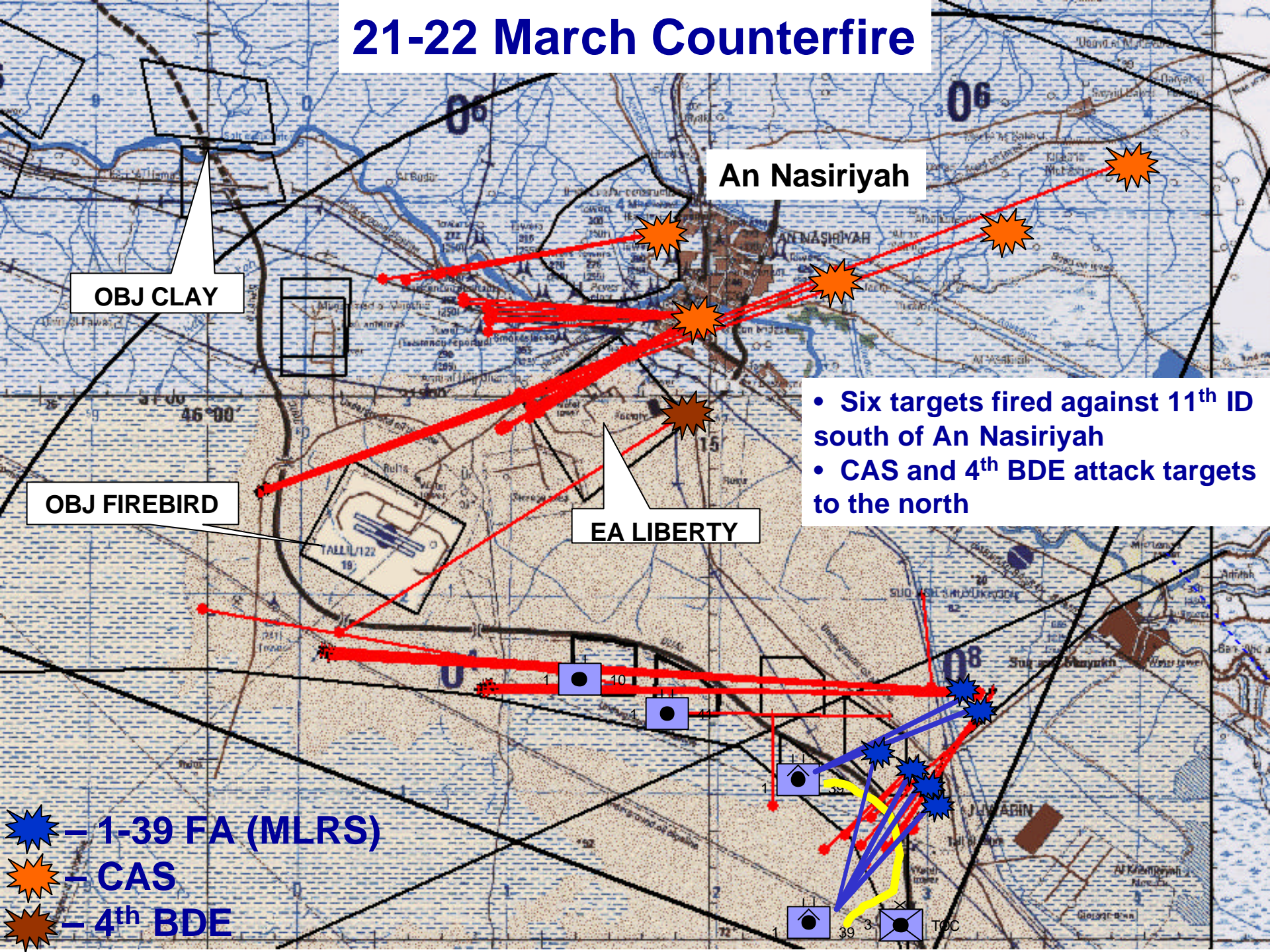


21-26 March

An Nasiriyah to OBJ Raiders



21-22 March Counterfire



21-22 March Missions Fired




OBJ CLAY

EA LIBERTY

An Nasiriyah

OBJ FIREBIRD

- **17-Target SEAD/Prep ISO 4th BDE and 3 BCT's Attack**
- **1st SADARM fired in combat by 1-10 FA; T-55 destroyed**

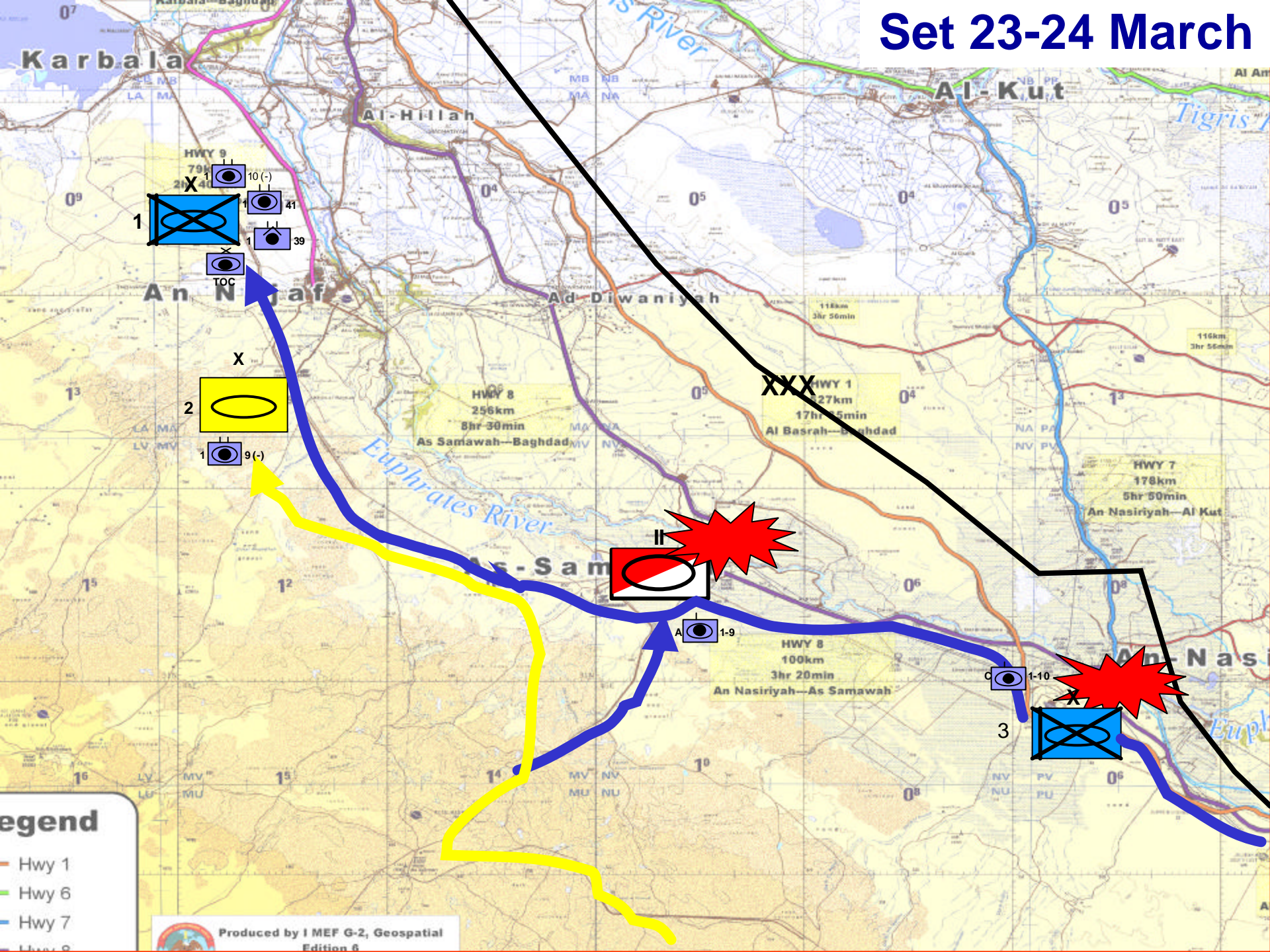
-  – 1-39 FA (MLRS)
-  – 1-10 FA
-  – 1-41 FA



22-24 March – “The Marne 500”



Set 23-24 March

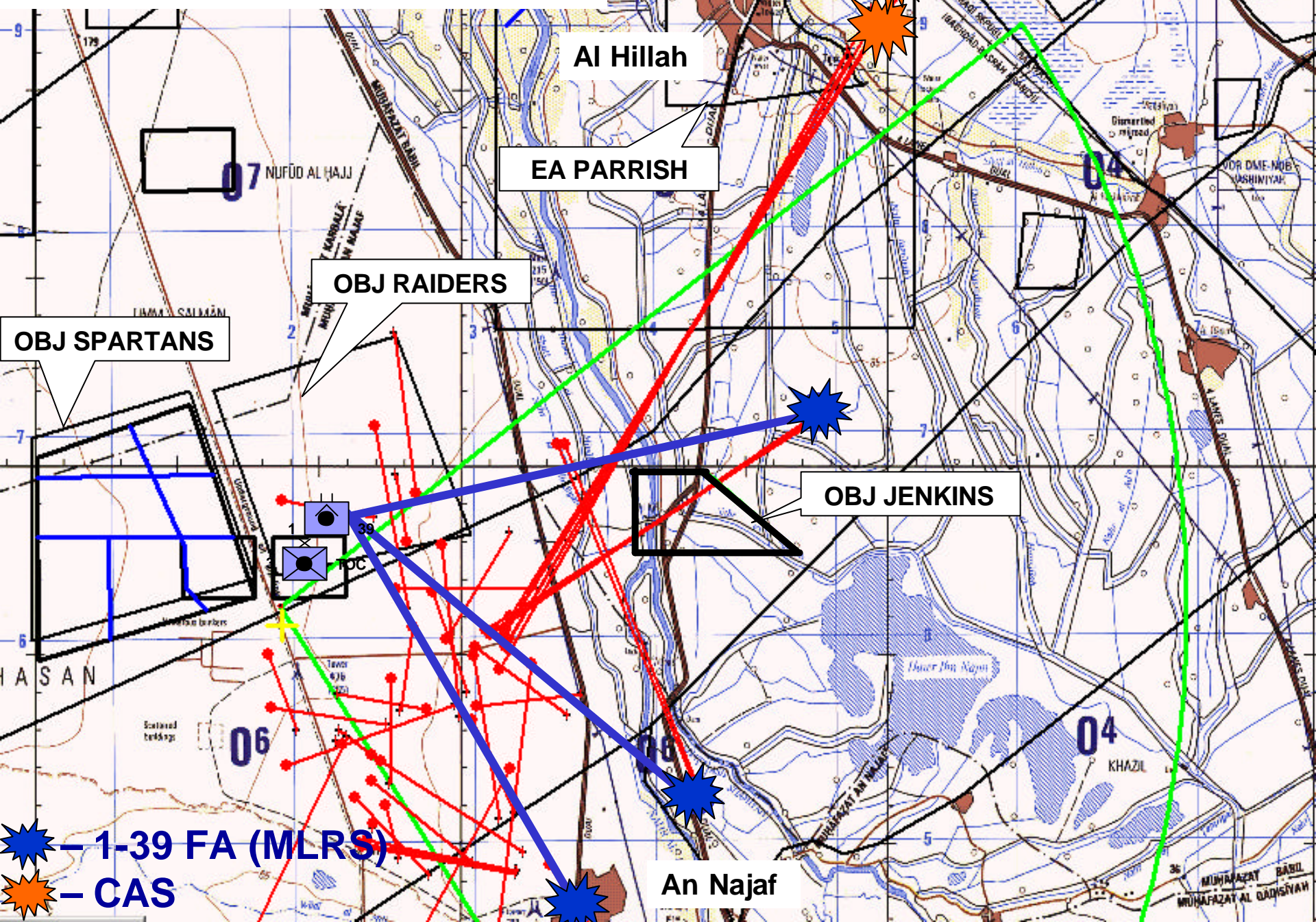


The sand storm hits. . .

. . . . steel still rains



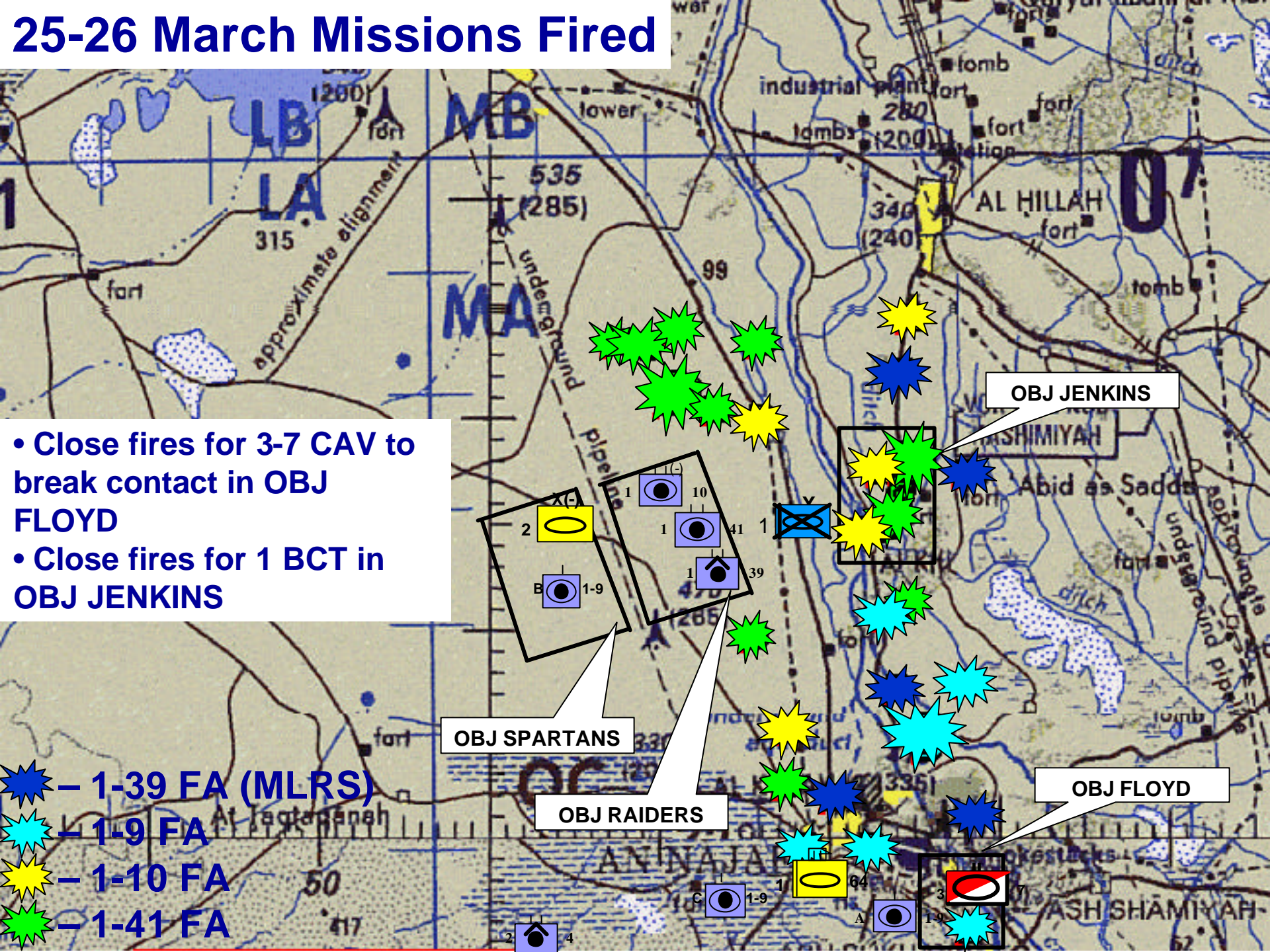
25-26 March Counterfire



25-26 March Missions Fired

- Close fires for 3-7 CAV to break contact in OBJ FLOYD
- Close fires for 1 BCT in OBJ JENKINS

- 1-39 FA (MLRS)
- 1-9 FA
- 1-10 FA
- 1-41 FA



29 March Counterfire

- 1-39 FA fired 4 missions supporting 1 BCT North of OBJ JENKINS
- Air Force observers report enemy artillery and trucks burning and a high number of KIAs on flyover

CAS

EA PARRISH

OBJ RAIDERS

OBJ SPARTANS

OBJ JENKINS

1-39 FA (MLRS)

CAS

- ## 29 March Counterfire
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-
- The map displays the following elements:
- OBJ JENKINS:** A large blue square icon representing the main objective.
 - OBJ SPARTANS:** A blue square icon with a black circle inside, located to the west of OBJ JENKINS.
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1-39 FA (MLRS)

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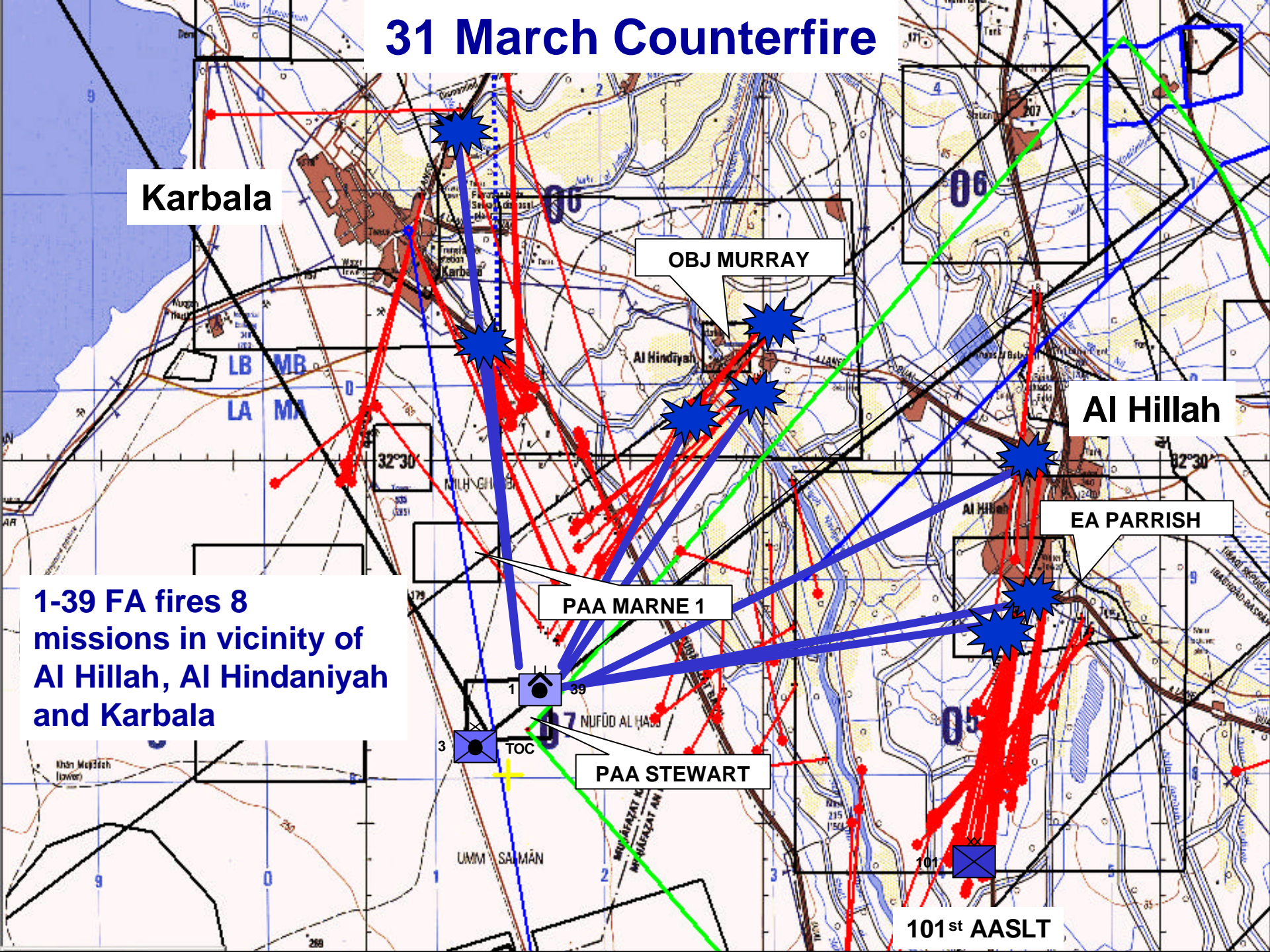
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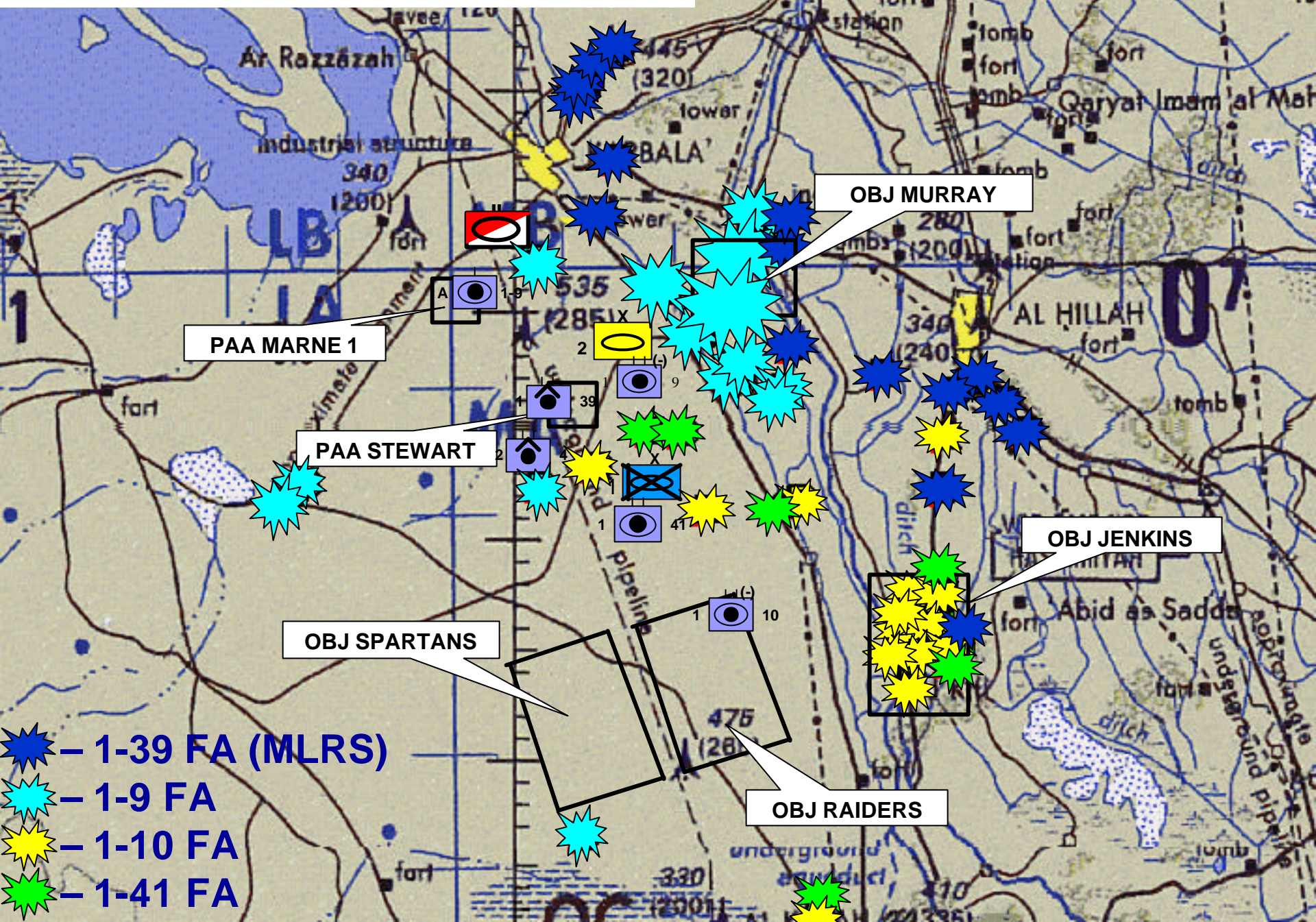
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31 March Counterfire



27-31 March Missions Fired



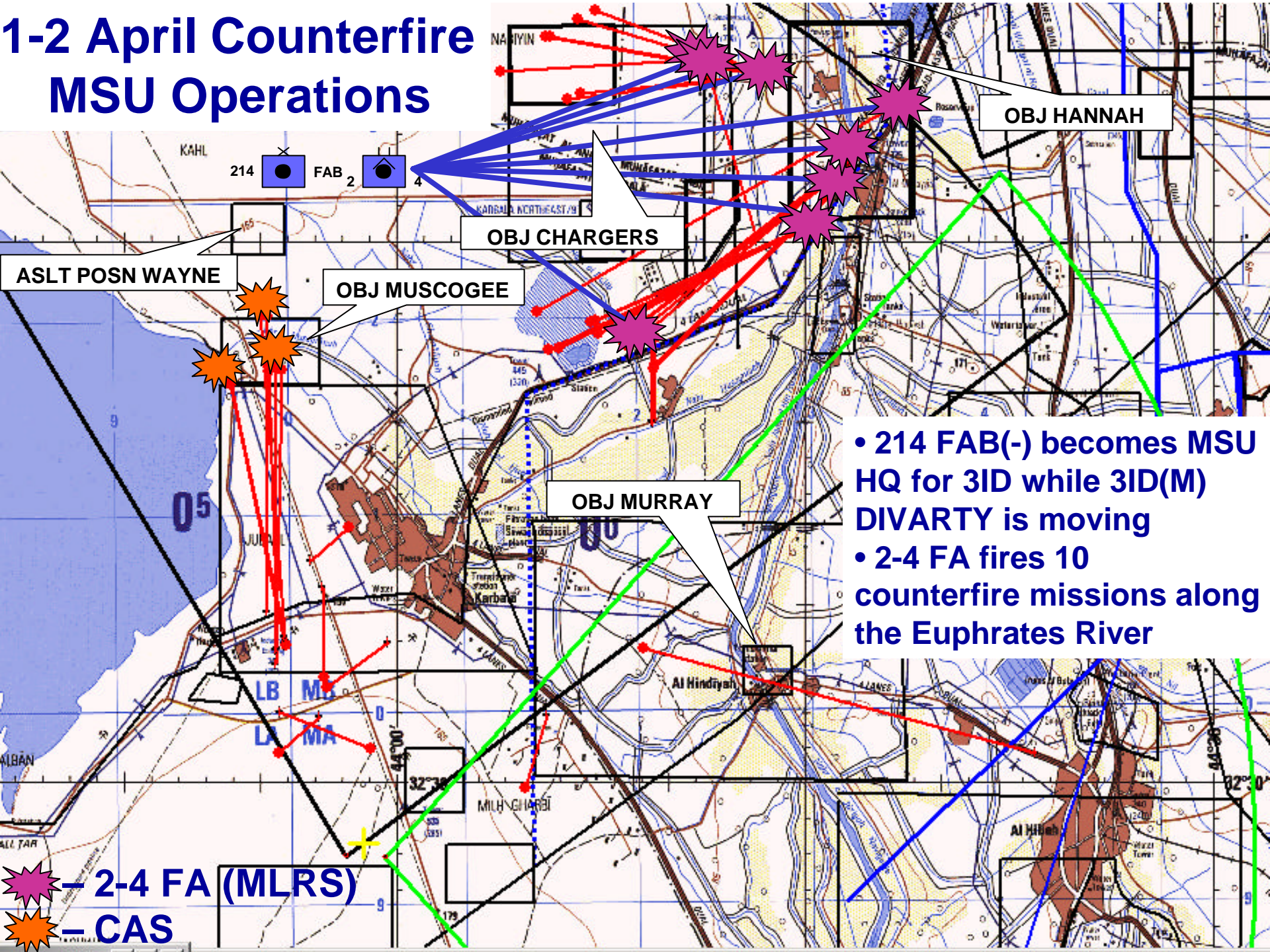
The Karbala Gap and across the Euphrates



Karbala 1-2 April

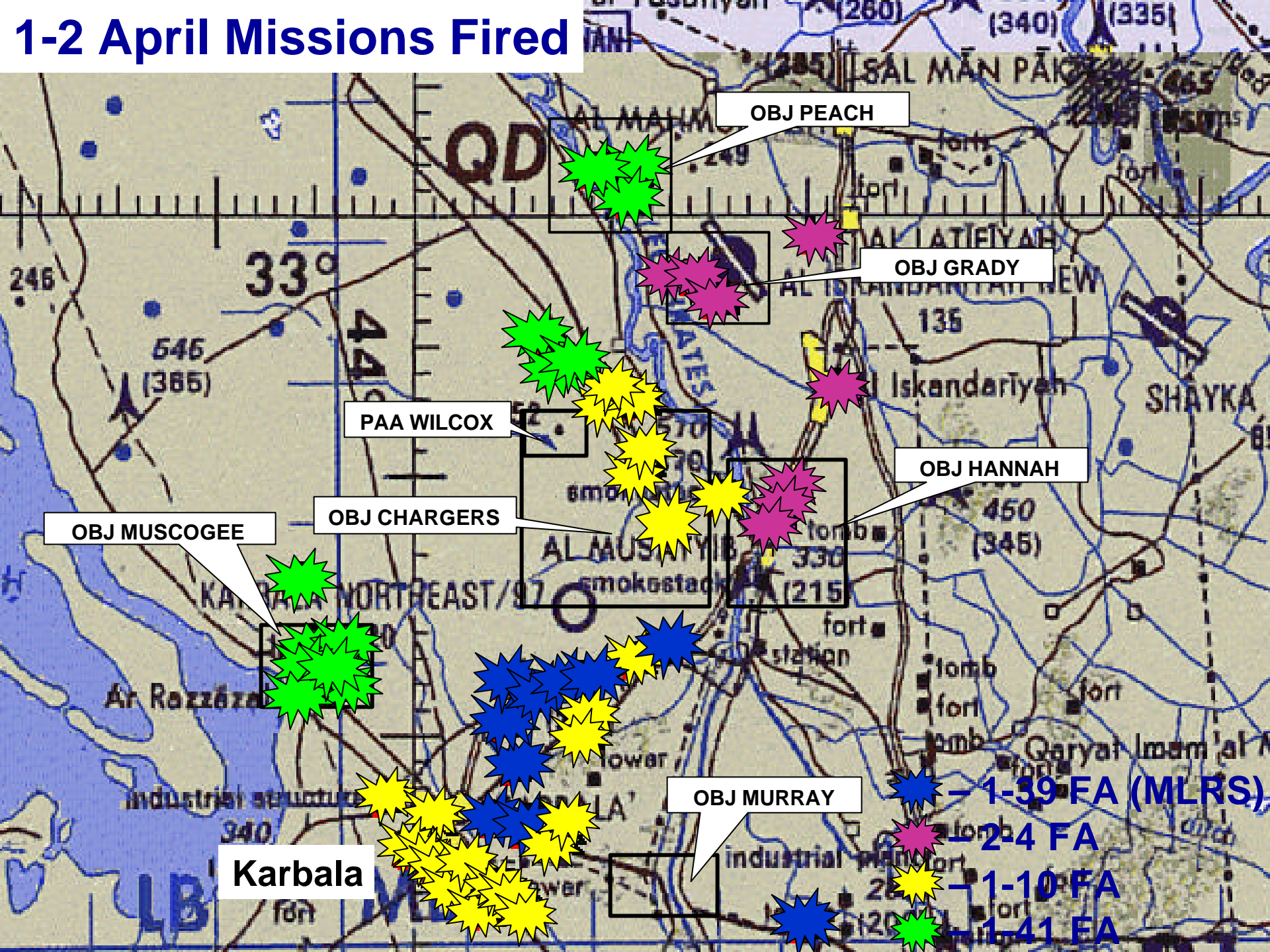


1-2 April Counterfire MSU Operations

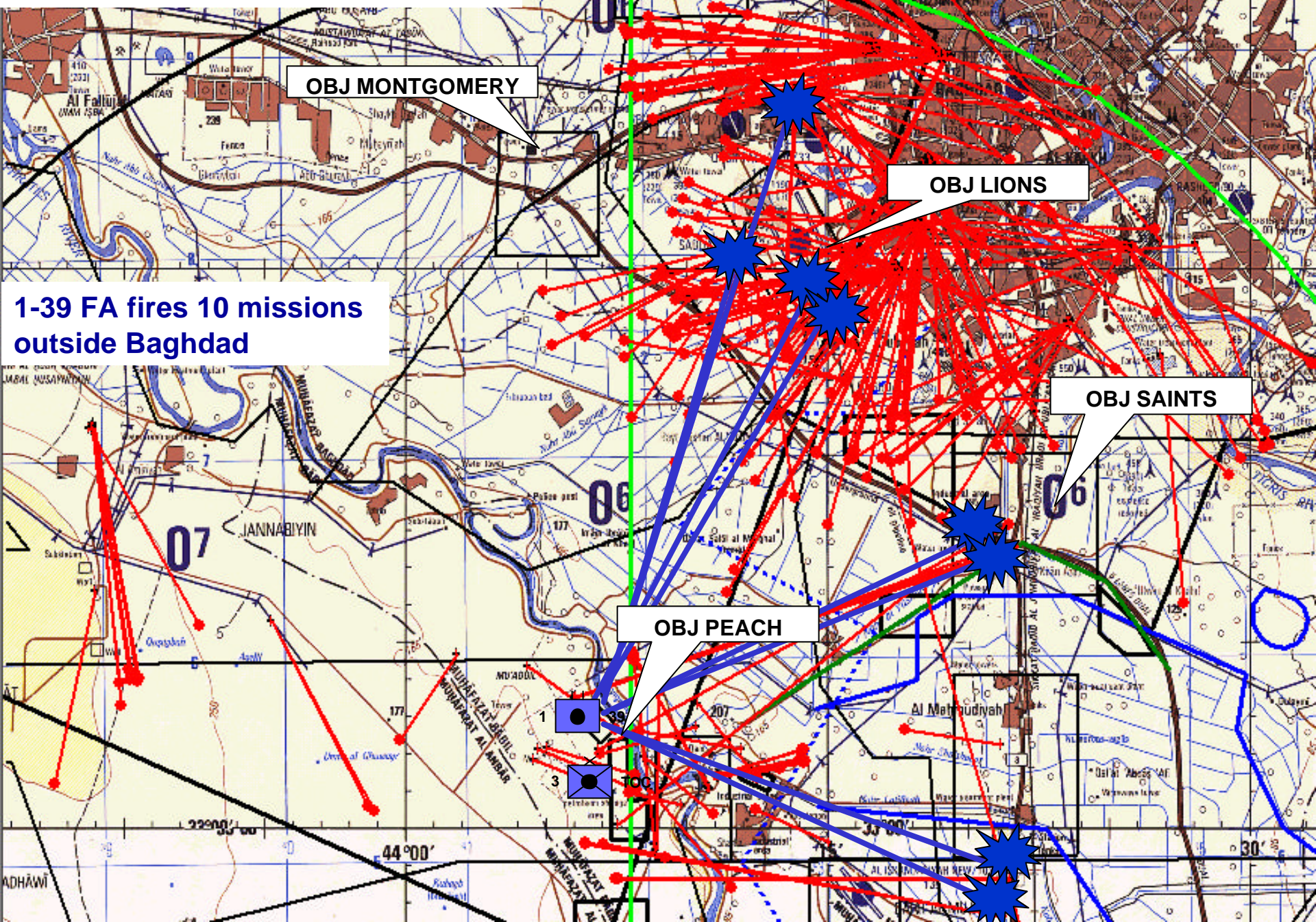


- 214 FAB(-) becomes MSU HQ for 3ID while 3ID(M) DIVARTY is moving
- 2-4 FA fires 10 counterfire missions along the Euphrates River

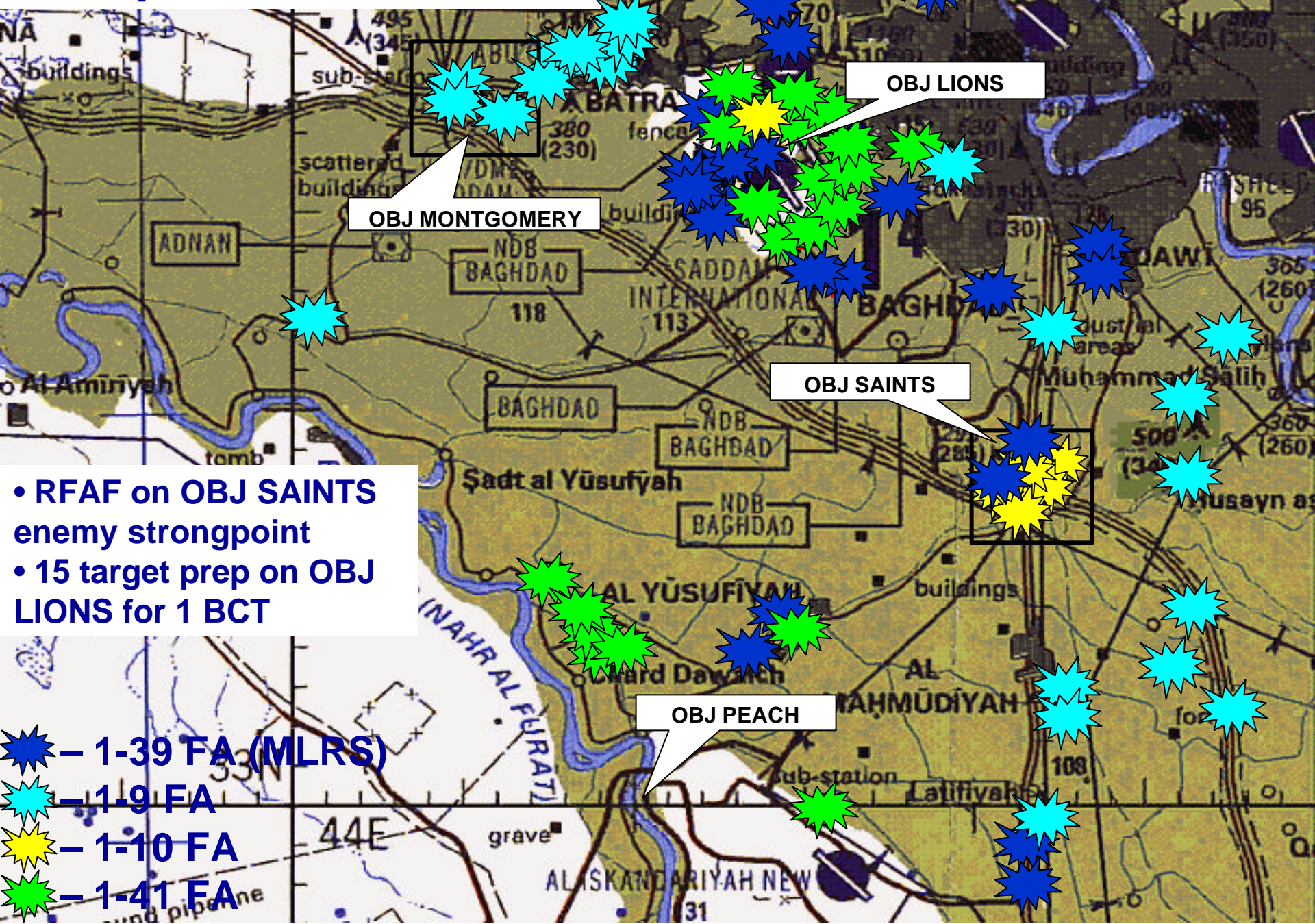
1-2 April Missions Fired



3-4 April Counterfire



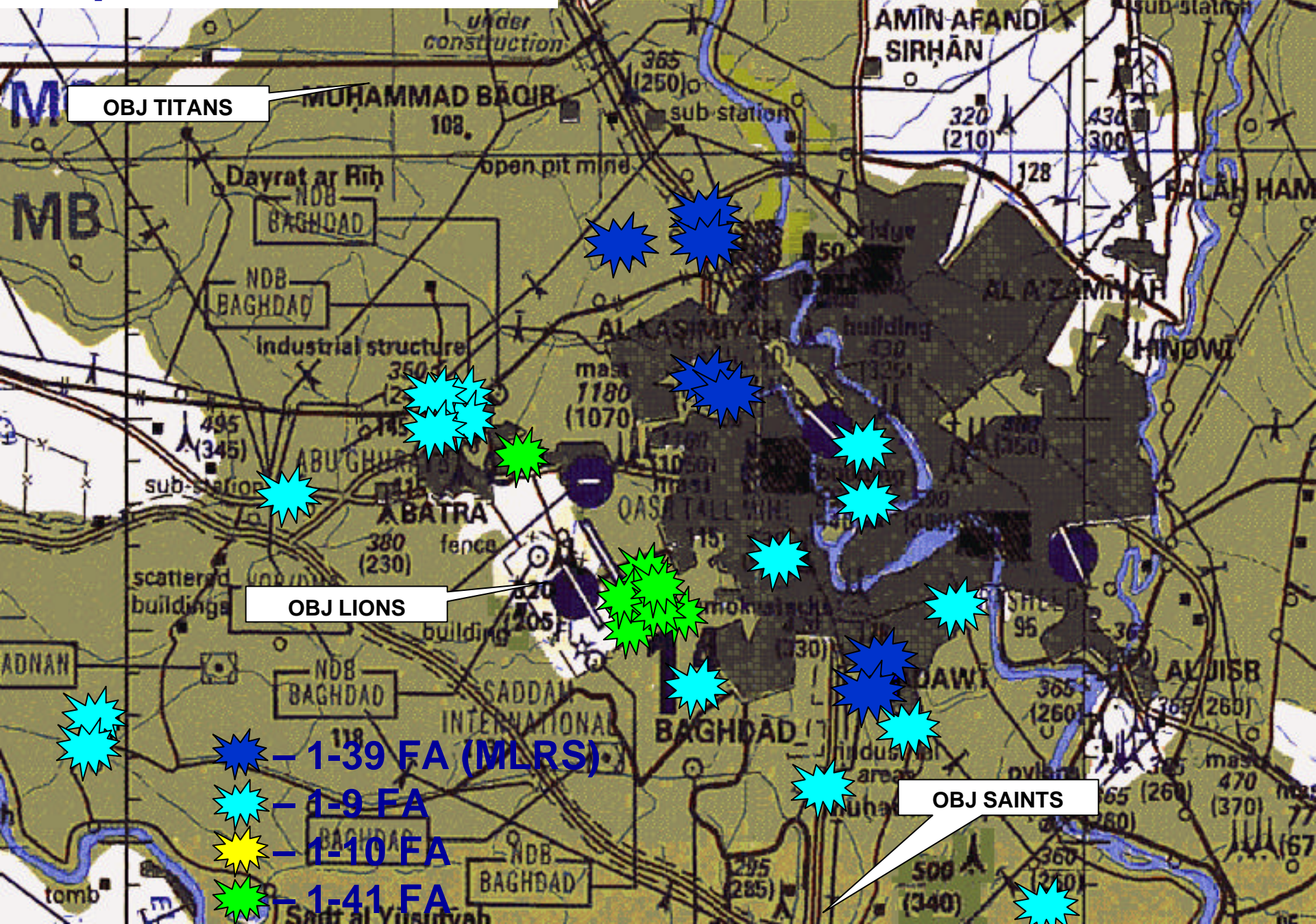
3-4 April Missions Fired



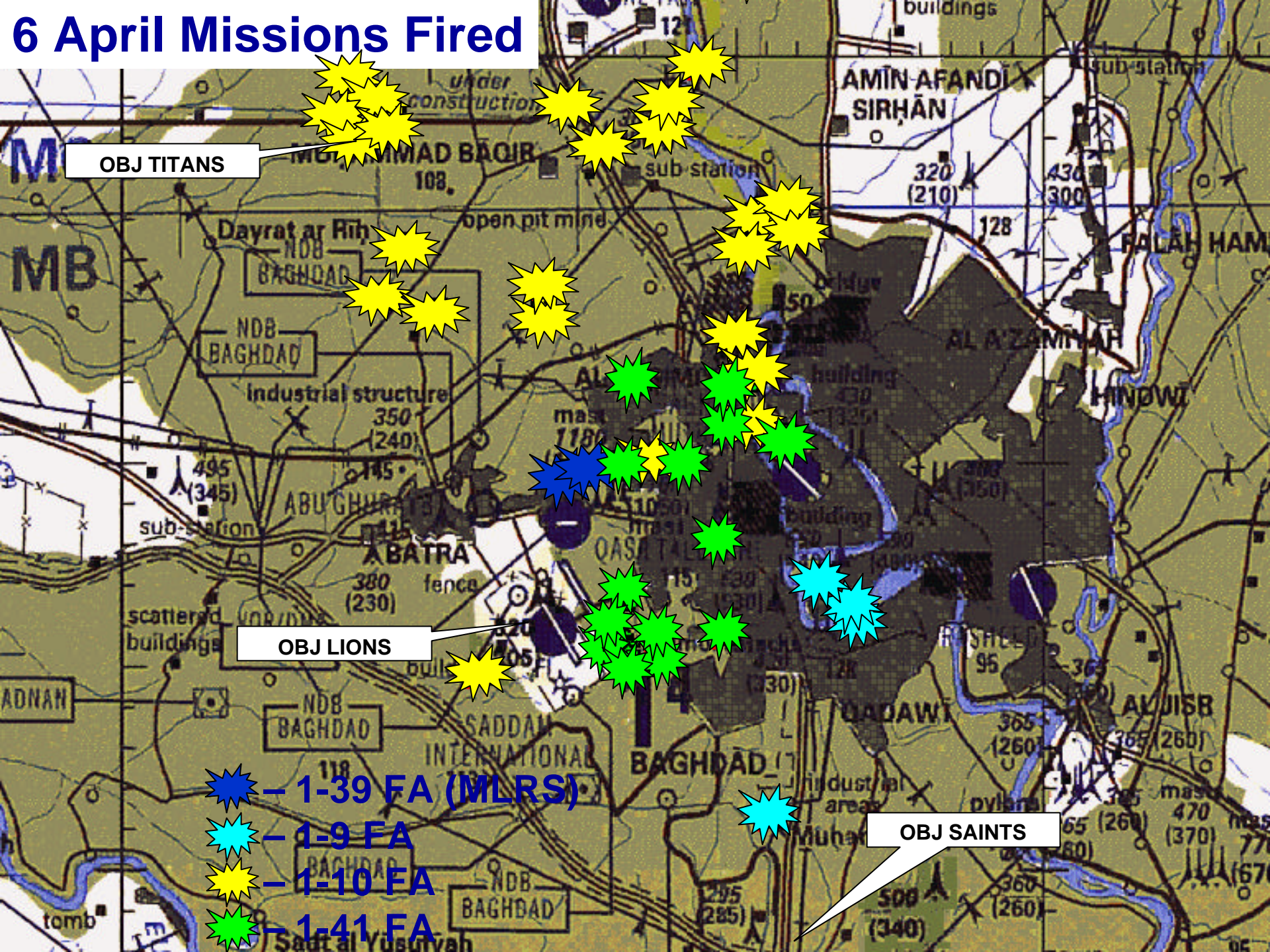
The Attack into Baghdad



5 April Missions Fired



6 April Missions Fired



Seizing the Palaces



7 April Missions Fired

- 1-39 FA fires 4 target prep supporting 2 BCT's
“Thunder Run 2”

The map displays various landmarks in Baghdad, including the Tigris River, Saddam International Airport, and several industrial and residential areas. Targets are marked with colored starburst symbols corresponding to different units:

- Blue starbursts: 1-39 FA (MLRS)
- Cyan starbursts: 1-9 FA
- Yellow starbursts: 1-10 FA
- Green starbursts: 1-41 FA
- Pink starbursts: 2-4 FA

Specific callouts include:

- OBJ WOODY & DIANE (pointing to a cyan starburst near the center-right)
- OBJ LIONS (pointing to a green starburst near the bottom center)

-
-  - 1-39 FA (MLRS)
 - 1-9 FA
 - 1-10 FA
 - 1-41 FA
 - 2-4 FA

**OBJ WOODY &
DIANE**

OBJ LIONS

8 April Missions Fired

- 2-4 FA fires 3 targets supporting 3 BCT

The map displays Baghdad, Iraq, with various districts and landmarks labeled. Key locations include AL KAZIMIYAH, AL A'ZAMIYAH, AL KARKH, and AL KADISIAH. The Tigris River flows through the city. Numerous targets are marked with colored starburst symbols: yellow for 1-10 FA, green for 1-41 FA, blue for 1-39 FA (MLRS), and pink for 2-4 FA. Two callout boxes identify specific targets: 'OBJ WOODY & DIANE' near the center-right and 'OBJ LIONS' near the bottom center. A large blue number '06' is visible on the left side of the map.

Legend:

- 1-39 FA (MLRS)
- 1-9 FA
- 1-10 FA
- 1-41 FA
- 2-4 FA

Callouts:

- OBJ WOODY & DIANE
- OBJ LIONS

-
-  - 1-39 FA (MLRS)
 - 1-9 FA
 - 1-10 FA
 - 1-41 FA
 - 2-4 FA

OBJ LIONS

9 April Missions Fired

This map of Baghdad, Iraq, illustrates the locations of various military targets and the results of coalition air strikes on 9 April. The map includes labels for major districts such as AL AZAMIYAH, AL KAZIMIAH, AL KARKH, and AL DOKKI, as well as key infrastructure like the SADDAM INTERNATIONAL AIRPORT and the TIGRIS RIVER. Targets are marked with colored starburst symbols: blue for 1-39 FA (MLRS), cyan for 1-9 FA, yellow for 1-10 FA, green for 1-41 FA, and pink for 2-4 FA. Two specific targets are highlighted with callouts: 'OBJ WOODY & DIANE' in the central-eastern part of the city and 'OBJ LIONS' near the airport. The map also shows various other landmarks, including water towers, substations, and industrial areas.

- 1-39 FA (MLRS)
- 1-9 FA
- 1-10 FA
- 1-41 FA
- 2-4 FA

OBJ WOODY & DIANE

OBJ LIONS

**OBJ WOODY &
DIANE**

OBJ LIONS

– 1-9 FA

-1-10 FA

- 1-41 FA

– 2-4 FA

Fire Mission Roll-up

DIVARTY expended 13,923 155mm
projectiles, 121 SADARM, 794 rockets
and 6 ATACMs

657 Total 155mm Missions

119 Total MLRS Missions

924 CAS Sorties Flown

Total Counterfire Missions = 93
Total RFAF Missions = 73





SADARM Roll-up/BDA



UNIT	DATE	TGT #	TGT GRID	# OF RDS	BDA
1-10 FA	22-Mar-03	KM7086	PV 13520 29410	12	T-55 destroyed
	26-Mar-03	KB7002	MA 22190 78140	10	T-72 and BMP destroyed
	28-Mar-03	KB7008	MA 30000 75600	5	T-55 destroyed
	29-Mar-03	KB7029	MA 3992 6751	10	T-55 destroyed 10 KIAs (Reinforced 1-41FA)
	1-Apr-03	KM7033	MA 14310 01370	4	T-72 destroyed
	5-Apr-03	KM7014	MB 43173 21469	12	16 Vehicles hit, Secondary explosion 1 Bldg on fire
	6-Apr-03	KM7062	MC 31300 02300	6	T-72 and BMP destroyed
	8-Apr-03	KM7025	MB 18300 07530	3	T-72 and BMP destroyed
	8-Apr-03	KM7023	MB 16130 01660	2	T-55 and APL destroyed
			Bn Total	64	
1-41 FA	28-Mar-03	KB7025	MA 4025 6730	2	T-72 and BMP destroyed
	6-Apr-03	KA0153	MB 3790 8949	10	Artillery unknown (C/F)
	7-Apr-03	KW6205	MB 3177 8757	12	Artillery unknown (C/F)
	7-Apr-03	KW6210	MB 3245 9167	12	Artillery unknown (C/F)
			Bn Total	36	
1-9FA*	30-Mar-03	KL9003	LA 8509 7986	9	4 T-72 Tanks destroyed and 17 Dismount killed
	4-Apr-03	KL9000	MB 21973 87600	12	6 Vehicles hit, 2 BMPs destroyed
			Bn Total	21	
			DIVARTY Total	121	(9) T-72, (4) T-55, (6) BMP, (1) APL, (16) MISC (27) KIA

* A 1-9 FA was DS to 3-7 CAV

3ID(M) Artillery Total BDA

Enemy Arty Systems

1 x 2S3
2 x 120mm Mortar
3 x ASTROS II
5 x G5
9 x BM-21
10 x GHN-45
25 x D30
21 x Type-59-1
22 x M46

98 Total Indirect Systems

Winners



. . . And Losers



Winners

M109A6 Paladin

M7 BFIST

SADARM / HE

Use of Mortars

AFATDS

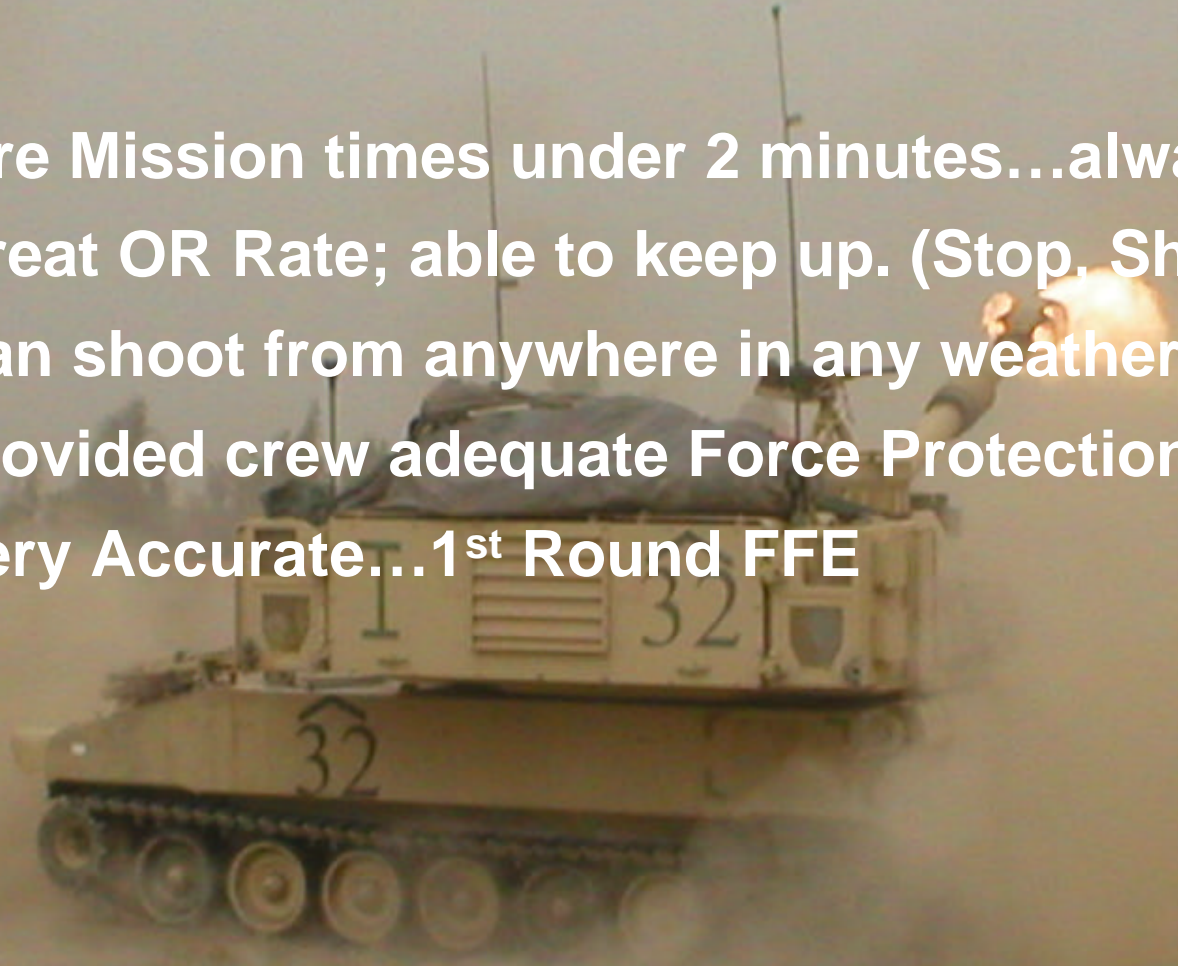
MLRS in Close Fight

FBCB2



Winner: PALADIN

- Fire Mission times under 2 minutes...always Ready to Fire
- Great OR Rate; able to keep up. (Stop, Shoot, Move)
- Can shoot from anywhere in any weather
- Provided crew adequate Force Protection
- Very Accurate...1st Round FFE



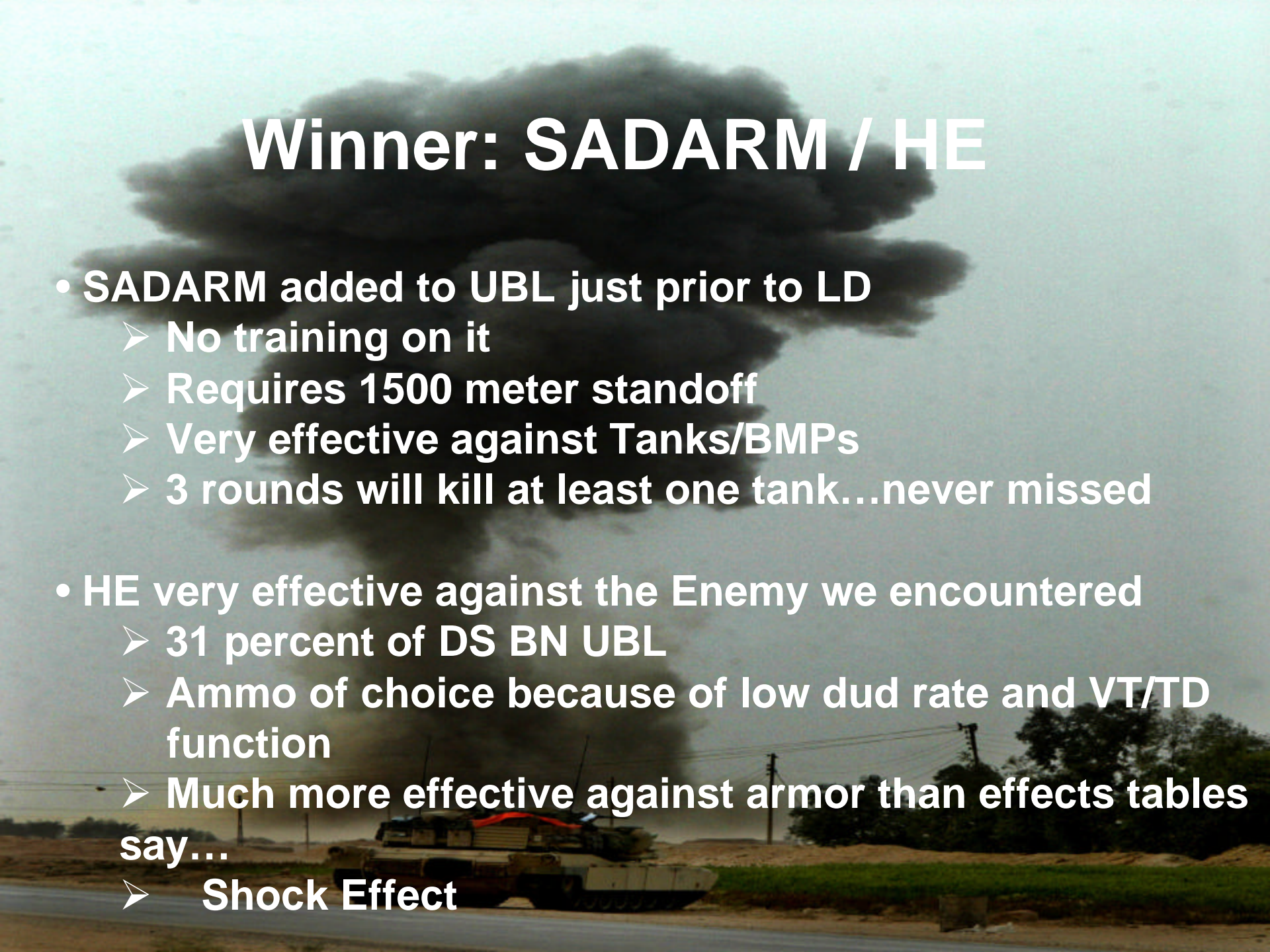
Winner: M7 BFIST

- Truly Revolutionary...allows the FIST to keep up, provide own Force Protection, and acquire targets (10 digit @10 kms)
- The days of the FSO following the CO CDR are over!
- BFIST generally used as a BDE/TF Observer...
positioned by CO CDR to meet BDE/TF Observer Plan...
- Linked to EFSTs
- 1st Round Fire for Effect was the norm



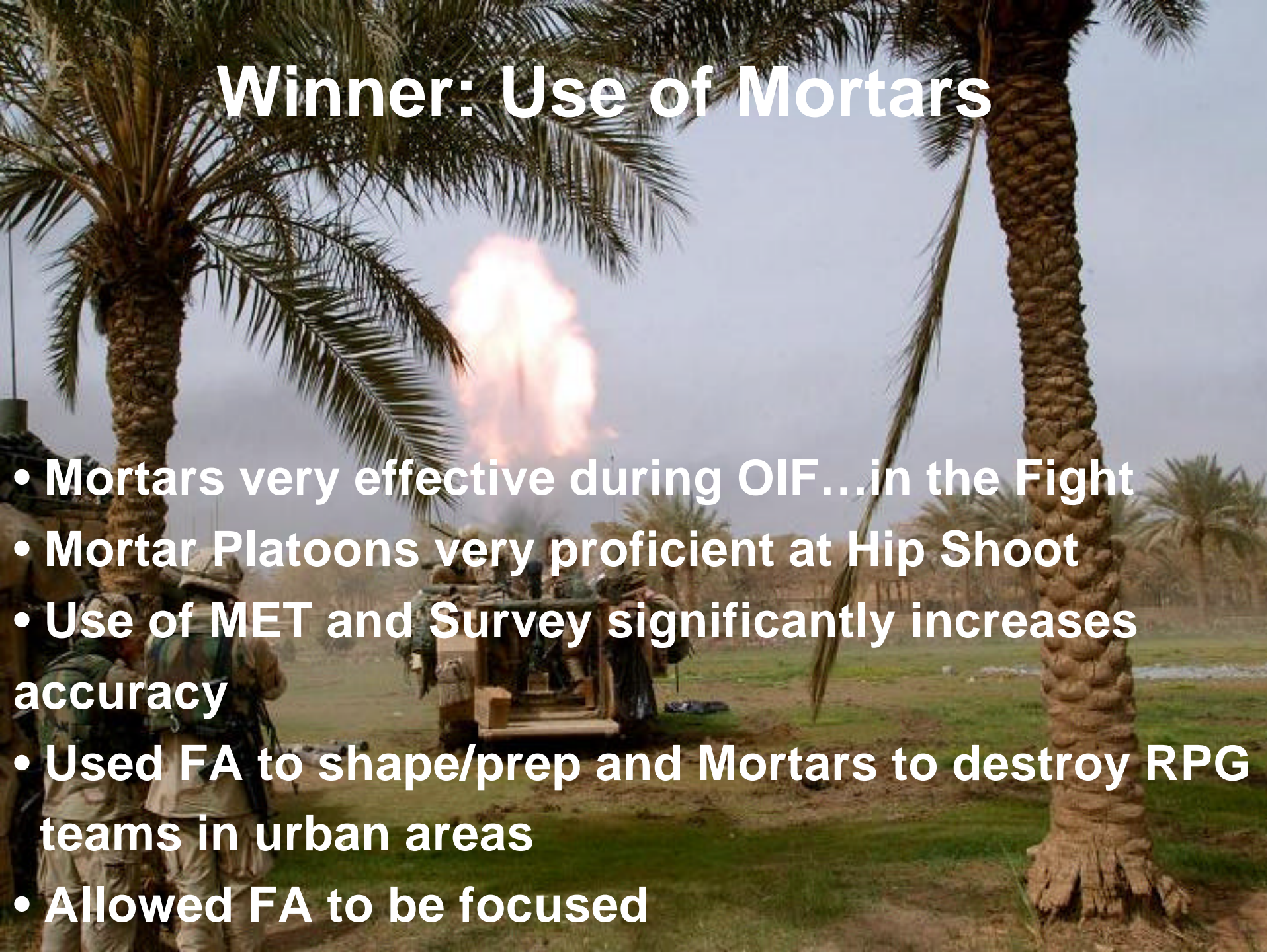
Winner: SADARM / HE

- **SADARM added to UBL just prior to LD**
 - **No training on it**
 - **Requires 1500 meter standoff**
 - **Very effective against Tanks/BMPs**
 - **3 rounds will kill at least one tank...never missed**
- **HE very effective against the Enemy we encountered**
 - **31 percent of DS BN UBL**
 - **Ammo of choice because of low dud rate and VT/TD function**
 - **Much more effective against armor than effects tables say...**
 - **Shock Effect**



Winner: Use of Mortars

- Mortars very effective during OIF...in the Fight
- Mortar Platoons very proficient at Hip Shoot
- Use of MET and Survey significantly increases accuracy
- Used FA to shape/prep and Mortars to destroy RPG teams in urban areas
- Allowed FA to be focused



Close Air Support and Army Aviation



- 924 CAS sorties flown
- CAS worked
- Joint fires = success
- “No strike list” required before LD
- Ammo selection (HE vs ICM)
- Deep ATK vs shaping the close fight
- OH-58D are extremely effective airframes




Loser: C2 On the Move



**DIVARTY-level 5 Ton Expando Vans
provide excellent *static* CP, but hopelessly
obsolete on the move:**

- Cross-country severely limited
- No force protection from direct or indirect fires
- No power to AFATDS or workstations

Loser: Dud Producing Rounds

- 
- DPICM— 56 percent of DS BN UBL
 - Maneuver Commanders hesitant to use it...but had to
 - Dud rate not bad on hard surfaces, but worse than expected off-roads
 - Not for use in Urban Areas
 - SADARM preferred killing munition, HE for suppression
 - Is DPICM a Cold War relic?



DS Battalion UBLs



Was

DODIC	Nomenclature	DS BN
D061	SADARM	115
D505	ILLUM	50
D528	SMK (M825)	351
D544	HE (M107)	1002
D529	HE (M795)	0
D550	WP(M110)	136
D563	DPICM	1800
D579	HE(RAP)	700
D864	DPICM (BB)	1300
D510	COPPERHEAD	90
TOTAL		5544
D532	M203	1450
D533	M119A2 RED	2450
D541	M4A2 WHITE	1644
TOTAL		5544

Should have been

DODIC	Nomenclature	DS BN	CHANGE
D061	SADARM	205	+90
D505	ILLUM	50	
D528	SMK (M825)	351	
D544	HE (M107)	0	-1002
D529	HE (M795)	1702	+1702
D550	WP(M110)	136	
D563	DPICM	1200	-600
D579	HE(RAP)	1100	+400
D864	DPICM (BB)	800	-500
D510	COPPERHEAD	0	-90
TOTAL		5544	
D532	M203	1000	-450
D533	M119A2 RED	2450	
D541	M4A2 WHITE	2094	+450
TOTAL		5544	

** Significant increase in use of VT/TI fuzes*

Key Lessons Learned

- **Artillery is the key to successful Combined Arms Fires**
- **Joint Fires = Success**
 - USAF special instructions (SPINS) must accept Q36/Q37 radar acquisitions as targetable data
 - USAF CAS terminal control must be delegated to trained controllers- USAF or US Army
 - CAS effective as a FS platform; however, not timely enough for counterfire
- **Ground Maneuver Commanders clear fires**
- **Reinforcing Artillery is Critical**
- **DPICM vs HE Ammunition**

Key Lessons Learned

- **Maneuver = Fires + Movement**
- **Radar Management is an Art**
 - Commanders manage radars
 - The Division jumped radars seven times to cover friendly forces
- **Long haul communication capability essential**
- **COLTs need a LRAS-type system**
- **Need additional MLRS suite of munitions (HE, Smoke, Unitary)**
- **Need to minimize number and type of C4I systems**



Commander of a Division Artillery



**Amount of software he
needs to run
his unit effectively**

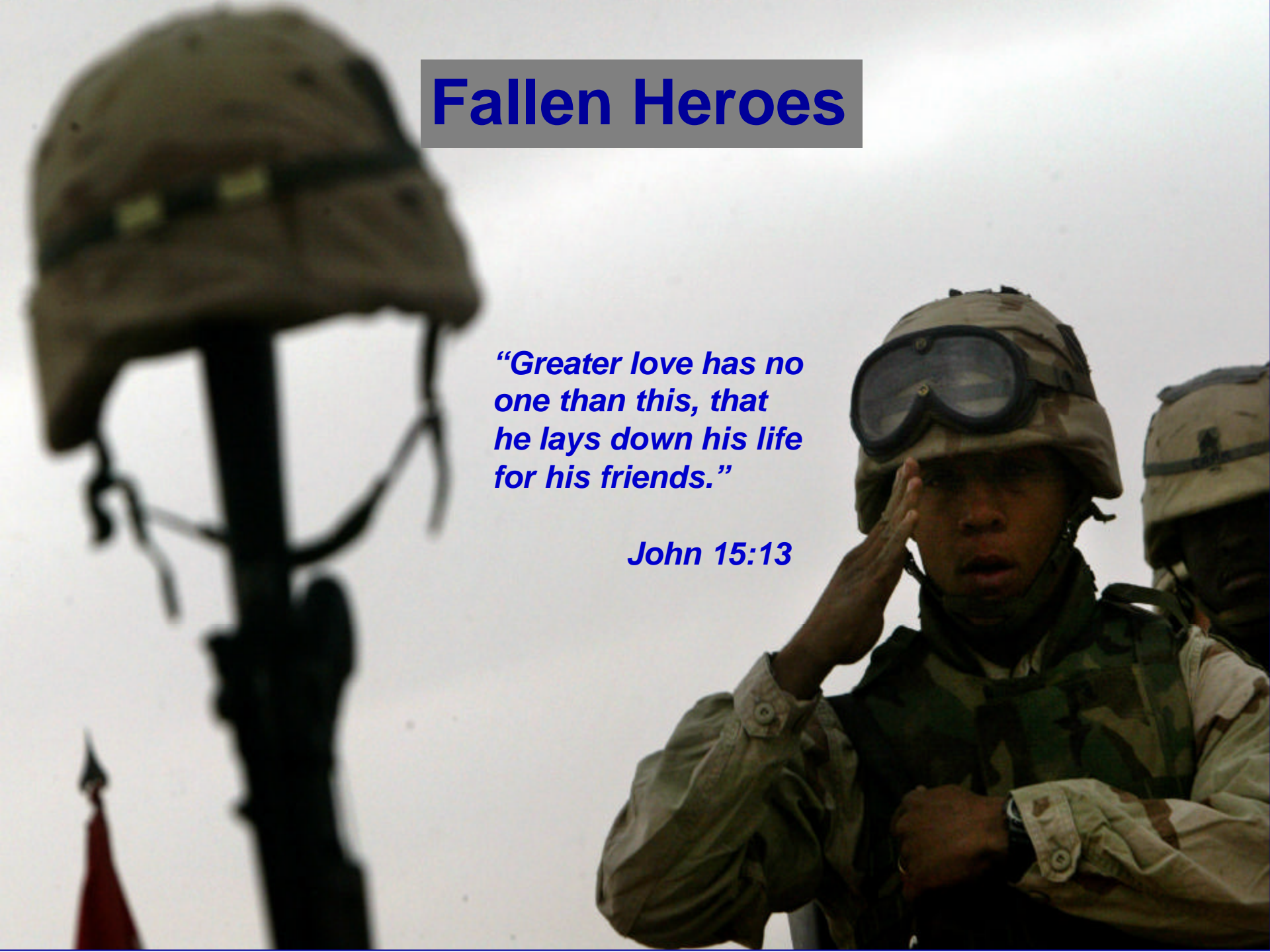


**He is dedicated to defending the
Constitution of the United States**

Fallen Heroes

“Greater love has no one than this, that he lays down his life for his friends.”

John 15:13



Overall Observations

- **Soldiers again demonstrated adaptability and versatility against a tenacious enemy and under arduous and dynamic conditions**
- **Doctrine and training provided the basis of success**
 - BCT execution of division CDR's intent
 - Seize or create opportunities- bold and decisive leaders
 - Gain and maintain initiative with bold and violent execution
 - Control transition points
 - Effective integration of maneuver and fires



Bottom Line



“Tell them Joes to get the lead out!!”

Audie Murphy, *To Hell and Back* (Universal Pictures 1955)

Well...During OIF We got the “Lead Out”...effectively employing Artillery, Mortars & CAS during 21 consecutive days of Sustained Combat.



***ROCK OF THE MARNE...
THE TIGRIS...AND THE EUPHRATES!!!***